



# SEQUENCE LISTING

<110> Barany, Francis  
Day, Joseph P.  
Hammer, Robert P.  
Bergstrom, Donald E.

<120> COUPLED POLYMERASE CHAIN REACTION-RESTRICTION  
ENDONUCLEASE DIGESTION-LIGASE DETECTION REACTION  
PROCESS

<130> 19603/481

<140> 09/528,014

<141> 2000-03-17

<150> 60/125,251

<151> 1999-03-19

<160> 36

<170> PatentIn Ver. 2.1

<210> 1

<211> 50

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 1

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<210> 2

<211> 50

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 2

gttcctgcat gggcggcatg aaccggaggc ccctcctcac catcatcaca

50

<211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide

<220>  
 <221> N\_region  
 <222> (25)  
 <223> Where N is A,C,T,G or Q(n) analog

<400> 3  
 ttcttcctgc atgggcggca tgaan 25

<210> 4  
 <211> 26  
 <212> DNA  
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<220>  
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 Oligonucleotide

<220>  
 <221> N\_region  
 <222> (26)  
 <223> Where N is A,C,T,G or Q(n) analog

<400> 4  
 ttctgatgat ggtgaggatg ggcctn 26

<210> 5  
 <211> 40  
 <212> DNA  
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide

<400> 5  
 cttggacgag ttcatacgcg ttcttgcattg ggcgggcatga 40

<211> 38  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 6  
gcaaactggg tcgccacgtg atgatggtga ggatgggc

38

<210> 7  
<211> 19  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 7  
cttgacgag ttcatacgc

19

<210> 8  
<211> 17  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 8  
gcaaactggg tcgccac

17

<210> 9  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 9  
cttggacgag ttcatacgcg ttcctgcatg ggcggcatga at 42

<210> 10  
<211> 41  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 10  
gcaaactggg tcgccacgtg atgatgggtga ggatgggcct t 41

<210> 11  
<211> 24  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 11  
aaaaaagcat ggcggcatg aaca 24

<210> 12  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 12  
aaaagcatgg gcggcatgaa cg 22

<210> 13  
<211> 20  
<212> DNA

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide

<400> 13  
 aagcatgggc ggcatgaact 20

<210> 14  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide

<400> 14  
 gcatgggcgg catgaacc 18

<210> 15  
 <211> 22  
 <212> DNA  
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 Oligonucleotide

<400> 15  
 ggagggccat cctcaccatc at 22

<210> 16  
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 Oligonucleotide

<220>  
 <221> N\_region  
 <222> (30)

<400> 16  
ccaagtgatg atggtgagga tgggcctccn gttcatgccg cccatgcagg aacgcgtatg 60

<210> 17  
<211> 50  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 17  
gttcctgcat gggcgatg aactggaggc ccacctcac catcatcaca 50

<210> 18  
<211> 50  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 18  
gttcctgcat gggcgatg aacggaggc ccacctcac catcatcaca 50

<210> 19  
<211> 50  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 19  
gttcctgcat gggcgatg aacaggaggc ccacctcac catcatcaca 50

<210> 20  
<211> 50  
<212> DNA

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 20

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<210> 21

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 21

gttcctgcat gggcgggcatg aagcgcaggc ccatactcac catcatcaca 50

<210> 22

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 22

gttcctgcat gggcgggcatg aaacgtaggc ccatactcac catcatcaca 50

<210> 23

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 23

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<211> 50  
 <212> DNA  
 <213> Artificial Sequence

<220>  
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 Oligonucleotide

<400> 24  
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<210> 25  
 <211> 42  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide

<400> 25  
 cttggacgag ttcatacgcg ttctctgcatg ggcggcatga ac 42

<210> 26  
 <211> 42  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide

<400> 26  
 cttggacgag ttcatacgcg ttctctgcatg ggcggcatga ag 42

<210> 27  
 <211> 42  
 <212> DNA  
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic  
 Oligonucleotide



cttggacgag ttcatacgcg ttcctgcatg ggcggcatga aa 42

<210> 28

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 28

gttcctgcat ggcgggca 18

<210> 29

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 29

gtgatgatgg tgaggatgg 19

<210> 30

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 30

gttcctgcat ggcgggcatg aat 23

<210> 31

<211> 24

<212> DNA

<213> Artificial Sequence

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 31

gtgatgatgg tgaggatggg cctt

24

<210> 32

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<220>

<221> N\_region

<222> (25)

<223> Where N is Q(6) analog

<400> 32

ttcttctctgc atgggcggca tgaan

25

<210> 33

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 33

aaaaaaaaagc atgggcggca tgaatc

26

<210> 34

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<221> N\_region

<222> (30)

<223> Where N is A,C,T,G

<400> 34

ccaagtgatg atggtgagga tgggcctggn gttcatgccg cccatgcagg aacgcgtatg 60

<210> 35

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 35

gcctcatctt gggcctgtgt tatc

24

<210> 36

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Oligonucleotide

<400> 36

gtggatgggt agtagtatgg aagaaatc

28